



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

PO Box 488 • Manchester, WA 98353-0488 • (360) 871-8840

December 21, 2018

Lisa Zhang
Accu Laboratory, LLC
12524 130th Ln NE Building A1
Kirkland, WA 98034

Dear Lisa Zhang:

Thank you for your request and submittal of required documentation for the addition of Trichlorofluoromethane analyzed by EPA 8260C in solid and chemical materials for *interim and provisional* accreditation. Enclosed a current Scope of Accreditation.

Provisional accreditation pending acceptable PT sample result. Please analyze and report an additional acceptable PT sample for this parameter prior to the Labs accreditation renewal in November 2019.

Interim accreditation is pending successful completion of an onsite assessment.

As a reminder, continued participation in the Ecology Lab Accreditation Program requires the lab to:

- Submit a renewal application and fees annually.
- Report significant changes in facility, personnel, analytical methods, equipment, the lab's quality assurance (QA) manual or QA procedures as they occur.
- Participate in proficiency testing studies semi-annually, with the following exception: **For each parameter where all required PT samples were analyzed with all results satisfactory, you are required to submit only one PT result over this next year, and in subsequent years, as long as the results are satisfactory.**

YOUR RIGHT TO APPEAL

You have a right to appeal Ecology's decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this decision letter. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this decision:

- File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

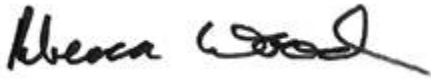
You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel Road SW STE 301 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

If you have any questions concerning the accreditation of your lab, please contact Kamilee Ginder at (360) 871-8841, fax (360) 871-8849, or by e-mail at kamilee.ginder@ecy.wa.gov.

Sincerely,



Lab Accreditation Unit Supervisor

RW:KG:kg

Enclosures

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Accu Laboratory, LLC

Kirkland, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Non-Potable Water		
Turbidity	SM 2130 B-2011	1
Solids, Total	SM 2540 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Solids, Total Suspended	SM 2540 D-2011	1
pH	SM 4500-H+ B-2011	1
Antimony	EPA 200.8_5.4_1994	1
Arsenic	EPA 200.8_5.4_1994	1
Barium	EPA 200.8_5.4_1994	1
Cadmium	EPA 200.8_5.4_1994	1
Chromium	EPA 200.8_5.4_1994	1
Lead	EPA 200.8_5.4_1994	1
Manganese	EPA 200.8_5.4_1994	1
Molybdenum	EPA 200.8_5.4_1994	1
Nickel	EPA 200.8_5.4_1994	1
Selenium	EPA 200.8_5.4_1994	1
Silver	EPA 200.8_5.4_1994	1
Thallium	EPA 200.8_5.4_1994	1
Vanadium	EPA 200.8_5.4_1994	1
Zinc	EPA 200.8_5.4_1994	1
Solid and Chemical Materials		
non-Polar Extractable Material (TPH)	EPA 1664A (SGT-HEM)	1
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	1

Washington State Department of Ecology

Effective Date: 12/21/2018

Scope of Accreditation Report for Accu Laboratory, LLC

C991-18b

Laboratory Accreditation Unit

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Scope Expires: 11/4/2019

Accu Laboratory, LLC

Matrix/Analyte	Method	Notes
Antimony	EPA 6020B_(7/14)	1
Arsenic	EPA 6020B_(7/14)	1
Barium	EPA 6020B_(7/14)	1
Beryllium	EPA 6020B_(7/14)	1
Cadmium	EPA 6020B_(7/14)	1
Chromium	EPA 6020B_(7/14)	1
Cobalt	EPA 6020B_(7/14)	1
Copper	EPA 6020B_(7/14)	1
Lead	EPA 6020B_(7/14)	1
Manganese	EPA 6020B_(7/14)	1
Molybdenum	EPA 6020B_(7/14)	1
Nickel	EPA 6020B_(7/14)	1
Selenium	EPA 6020B_(7/14)	1
Silver	EPA 6020B_(7/14)	1
Thallium	EPA 6020B_(7/14)	1
Vanadium	EPA 6020B_(7/14)	1
Zinc	EPA 6020B_(7/14)	1
Mercury	EPA 7471B_(1/98)	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011-94	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011-94	1
Diesel range organics (DRO)	EPA 8015D_4_(6/03)	1
Gasoline range organics (GRO)	EPA 8015D_4_(6/03)	1
Benzene	EPA 8021B_3_(7/14)	1
Ethylbenzene	EPA 8021B_3_(7/14)	1
m+p-xylene	EPA 8021B_3_(7/14)	1
o-Xylene	EPA 8021B_3_(7/14)	1
Toluene	EPA 8021B_3_(7/14)	1
4,4'-DDD	EPA 8081B_(2/07)	1
4,4'-DDE	EPA 8081B_(2/07)	1
4,4'-DDT	EPA 8081B_(2/07)	1
Aldrin	EPA 8081B_(2/07)	1
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
alpha-Chlordane	EPA 8081B_(2/07)	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
Chlordane (tech.)	EPA 8081B_(2/07)	1
delta-BHC	EPA 8081B_(2/07)	1

Matrix/Analyte	Method	Notes
Dieldrin	EPA 8081B_(2/07)	1
Endosulfan I	EPA 8081B_(2/07)	1
Endosulfan II	EPA 8081B_(2/07)	1
Endosulfan sulfate	EPA 8081B_(2/07)	1
Endrin	EPA 8081B_(2/07)	1
Endrin aldehyde	EPA 8081B_(2/07)	1
Endrin ketone	EPA 8081B_(2/07)	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
gamma-Chlordane	EPA 8081B_(2/07)	1
Heptachlor	EPA 8081B_(2/07)	1
Heptachlor epoxide	EPA 8081B_(2/07)	1
Methoxychlor	EPA 8081B_(2/07)	1
Toxaphene (Chlorinated camphene)	EPA 8081B_(2/07)	1
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	1
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	1
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	1
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	1
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	1
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	1
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	1
Aroclor-1268 (PCB-1268)	EPA 8082A_(2/07)	1
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	1
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	1
1,1,1,2-Tetrachloroethane	EPA 8260C_(8/06)	1
1,1,1-Trichloroethane	EPA 8260C_(8/06)	1
1,1,2,2-Tetrachloroethane	EPA 8260C_(8/06)	1
1,1,2-Trichloroethane	EPA 8260C_(8/06)	1
1,1-Dichloroethane	EPA 8260C_(8/06)	1
1,1-Dichloroethylene	EPA 8260C_(8/06)	1
1,1-Dichloropropene	EPA 8260C_(8/06)	1
1,2,3-Trichlorobenzene	EPA 8260C_(8/06)	1
1,2,3-Trimethylbenzene	EPA 8260C_(8/06)	1
1,2,4-Trichlorobenzene	EPA 8260C_(8/06)	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C_(8/06)	1
1,2-Dichlorobenzene	EPA 8260C_(8/06)	1

Matrix/Analyte	Method	Notes
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260C_(8/06)	1
1,2-Dichloropropane	EPA 8260C_(8/06)	1
1,3,5-Trimethylbenzene	EPA 8260C_(8/06)	1
1,3-Dichlorobenzene	EPA 8260C_(8/06)	1
1,3-Dichloropropane	EPA 8260C_(8/06)	1
1,4-Dichlorobenzene	EPA 8260C_(8/06)	1
2,2-Dichloropropane	EPA 8260C_(8/06)	1
2-Chlorotoluene	EPA 8260C_(8/06)	1
4-Chlorotoluene	EPA 8260C_(8/06)	1
4-Isopropyltoluene (p-Cymene)	EPA 8260C_(8/06)	1
Benzene	EPA 8260C_(8/06)	1
Bromobenzene	EPA 8260C_(8/06)	1
Bromodichloromethane	EPA 8260C_(8/06)	1
Bromoform	EPA 8260C_(8/06)	1
Carbon tetrachloride	EPA 8260C_(8/06)	1
Chlorobenzene	EPA 8260C_(8/06)	1
Chlorodibromomethane	EPA 8260C_(8/06)	1
Chloroethane (Ethyl chloride)	EPA 8260C_(8/06)	1
Chloroform	EPA 8260C_(8/06)	1
cis-1,2-Dichloroethylene	EPA 8260C_(8/06)	1
Dibromomethane	EPA 8260C_(8/06)	1
Ethylbenzene	EPA 8260C_(8/06)	1
Gasoline range organics (GRO)	EPA 8260C_(8/06)	1
Isopropylbenzene	EPA 8260C_(8/06)	1
m+p-xylene	EPA 8260C_(8/06)	1
Methyl bromide (Bromomethane)	EPA 8260C_(8/06)	1
Methyl chloride (Chloromethane)	EPA 8260C_(8/06)	1
Methylene chloride (Dichloromethane)	EPA 8260C_(8/06)	1
Naphthalene	EPA 8260C_(8/06)	1
n-Butylbenzene	EPA 8260C_(8/06)	1
n-Propylbenzene	EPA 8260C_(8/06)	1
o-Xylene	EPA 8260C_(8/06)	1
sec-Butylbenzene	EPA 8260C_(8/06)	1
Styrene	EPA 8260C_(8/06)	1
tert-Butylbenzene	EPA 8260C_(8/06)	1
Tetrachloroethylene (Perchloroethylene)	EPA 8260C_(8/06)	1

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Matrix/Analyte	Method	Notes
Toluene	EPA 8260C_(8/06)	1
trans-1,2-Dichloroethylene	EPA 8260C_(8/06)	1
Trichloroethene (Trichloroethylene)	EPA 8260C_(8/06)	1
Trichlorofluoromethane (Freon 11)	EPA 8260C_(8/06)	1,2
Vinyl chloride	EPA 8260C_(8/06)	1
1,2,4-Trichlorobenzene	EPA 8270D_5_(7/14)	1
1,2-Dichlorobenzene	EPA 8270D_5_(7/14)	1
1,3-Dichlorobenzene	EPA 8270D_5_(7/14)	1
1,4-Dichlorobenzene	EPA 8270D_5_(7/14)	1
1-Methylnaphthalene	EPA 8270D_5_(7/14)	1
2,3,4,6-Tetrachlorophenol	EPA 8270D_5_(7/14)	1
2,4,5-Trichlorophenol	EPA 8270D_5_(7/14)	1
2,4,6-Trichlorophenol	EPA 8270D_5_(7/14)	1
2,4-Dichlorophenol	EPA 8270D_5_(7/14)	1
2,4-Dimethylphenol	EPA 8270D_5_(7/14)	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D_5_(7/14)	1
2,6-Dichlorophenol	EPA 8270D_5_(7/14)	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270D_5_(7/14)	1
2-Chloronaphthalene	EPA 8270D_5_(7/14)	1
2-Chlorophenol	EPA 8270D_5_(7/14)	1
2-Methylnaphthalene	EPA 8270D_5_(7/14)	1
2-Methylphenol (o-Cresol)	EPA 8270D_5_(7/14)	1
2-Nitroaniline	EPA 8270D_5_(7/14)	1
2-Nitrophenol	EPA 8270D_5_(7/14)	1
3-Nitroaniline	EPA 8270D_5_(7/14)	1
4,6-Dinitro-2-methylphenol	EPA 8270D_5_(7/14)	1
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270D_5_(7/14)	1
4-Chloro-3-methylphenol	EPA 8270D_5_(7/14)	1
4-Chloroaniline	EPA 8270D_5_(7/14)	1
4-Chlorophenyl phenylether	EPA 8270D_5_(7/14)	1
4-Nitroaniline	EPA 8270D_5_(7/14)	1
4-Nitrophenol	EPA 8270D_5_(7/14)	1
Acenaphthene	EPA 8270D_5_(7/14)	1
Acenaphthylene	EPA 8270D_5_(7/14)	1
Acetophenone	EPA 8270D_5_(7/14)	1
Azobenzene	EPA 8270D_5_(7/14)	1

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Matrix/Analyte	Method	Notes
Benzo(a)anthracene	EPA 8270D_5_(7/14)	1
Benzo(a)pyrene	EPA 8270D_5_(7/14)	1
Benzo(g,h,i)perylene	EPA 8270D_5_(7/14)	1
Benzo(k)fluoranthene	EPA 8270D_5_(7/14)	1
Benzo[b]fluoranthene	EPA 8270D_5_(7/14)	1
bis(2-Chloroethoxy)methane	EPA 8270D_5_(7/14)	1
Butyl benzyl phthalate	EPA 8270D_5_(7/14)	1
Chrysene	EPA 8270D_5_(7/14)	1
Dibenz(a,h) anthracene	EPA 8270D_5_(7/14)	1
Dibenzofuran	EPA 8270D_5_(7/14)	1
Diethyl phthalate	EPA 8270D_5_(7/14)	1
Dimethyl phthalate	EPA 8270D_5_(7/14)	1
Di-n-butyl phthalate	EPA 8270D_5_(7/14)	1
Di-n-octyl phthalate	EPA 8270D_5_(7/14)	1
Fluoranthene	EPA 8270D_5_(7/14)	1
Fluorene	EPA 8270D_5_(7/14)	1
Hexachlorobenzene	EPA 8270D_5_(7/14)	1
Hexachlorobutadiene	EPA 8270D_5_(7/14)	1
Hexachlorocyclopentadiene	EPA 8270D_5_(7/14)	1
Hexachloroethane	EPA 8270D_5_(7/14)	1
Indeno(1,2,3-cd) pyrene	EPA 8270D_5_(7/14)	1
Isophorone	EPA 8270D_5_(7/14)	1
m+p Cresol	EPA 8270D_5_(7/14)	1
Naphthalene	EPA 8270D_5_(7/14)	1
Nitrobenzene	EPA 8270D_5_(7/14)	1
N-Nitroso-di-n-propylamine	EPA 8270D_5_(7/14)	1
Pentachlorophenol	EPA 8270D_5_(7/14)	1
Phenanthrene	EPA 8270D_5_(7/14)	1
Phenol	EPA 8270D_5_(7/14)	1
Pyrene	EPA 8270D_5_(7/14)	1
1-Methylnaphthalene	EPA 8270D_5_(7/14) SIM	1
2-Methylnaphthalene	EPA 8270D_5_(7/14) SIM	1
Acenaphthene	EPA 8270D_5_(7/14) SIM	1
Acenaphthylene	EPA 8270D_5_(7/14) SIM	1
Anthracene	EPA 8270D_5_(7/14) SIM	1
Benzo(a)anthracene	EPA 8270D_5_(7/14) SIM	1

Matrix/Analyte	Method	Notes
Benzo(a)pyrene	EPA 8270D_5_(7/14) SIM	1
Benzo(g,h,i)perylene	EPA 8270D_5_(7/14) SIM	1
Benzo(k)fluoranthene	EPA 8270D_5_(7/14) SIM	1
Benzo[b]fluoranthene	EPA 8270D_5_(7/14) SIM	1
Chrysene	EPA 8270D_5_(7/14) SIM	1
Dibenz(a,h) anthracene	EPA 8270D_5_(7/14) SIM	1
Fluoranthene	EPA 8270D_5_(7/14) SIM	1
Fluorene	EPA 8270D_5_(7/14) SIM	1
Indeno(1,2,3-cd) pyrene	EPA 8270D_5_(7/14) SIM	1
Naphthalene	EPA 8270D_5_(7/14) SIM	1
Phenanthrene	EPA 8270D_5_(7/14) SIM	1
Pyrene	EPA 8270D_5_(7/14) SIM	1

Accredited Parameter Note Detail

(1) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (2) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



12/21/2018

 Authentication Signature
 Rebecca Wood, Lab Accreditation Unit Supervisor

 Date